ELECTRICITY AND MAGNETISM UNIT ASSIGNMENT

You are the Expert!

ADVANCED SCIENCE 6

What did one electromagnet say to the other? “Wow! You’re quite attractive! I sure get a “charge” out of you!”

Can you energize your classmates in a World Café and teach them the electrifying content they need to understand electricity and magnetism at a high level? Well, you are the expert, and your group will work together to research and present your information in a way that you like to learn and show your learning to others.

Requirements:

1. Each member of your group must complete the necessary research using the Kaplan icons to organize your information during the process portion of your work.
2. All members MUST keep a learning log to document your group’s progress and each member’s contributions.
3. Work together to create an interactive presentation (no longer than 7 minutes) that students can access in a World Café model to learn about and become proficient in the content of your assigned area of the unit.
   1. When other students come to your station, they need to be able to interact with your display—not just take notes. What can you offer so they can “take away” something from your display?
   2. You must have some sort of visual display for the students to look at. It could be a labeled drawing, a PowerPoint, a model.
   3. Any member of your group must be able to speak intelligibly about the topic and be accurate.

Groups:

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| --- | --- | --- |
| Group Number | Group Members | Topic |
| 1 |  | PARALLEL CIRCUITS |
| 2 |  | SERIES CIRCUITS |
| 3 |  | CONDUCTORS AND INSULATORS |
| 4 |  | CURRENT ELECTRICITY |
| 5 |  | MAGNETS |
| 6 |  | ELECTROMAGNETS |
| 7 |  | MOTORS |
| 8 |  | GENERATORS |
| 9 |  | DIODES AND TRANSISTORS |
| 10 |  |  |